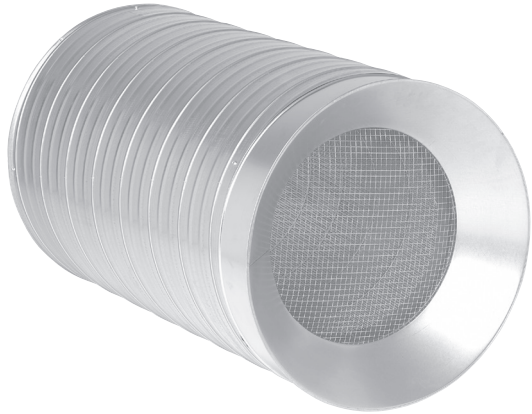


# Extract air terminal device

# SLKNU100



## Description

SLKNU is an extract air terminal device consisting of a silencer with 100 mm insulation and conical inlet with net.

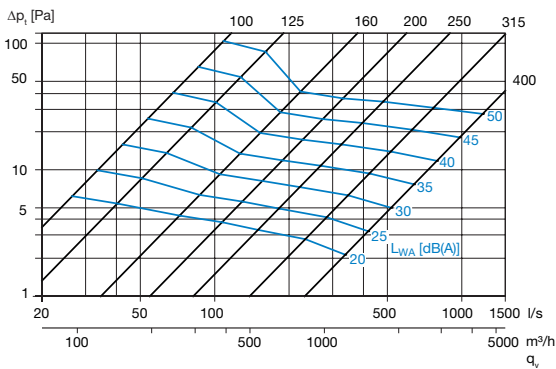
## Material and surface treatment

SLKNU is manufactured from galvanized sheet metal and is as standard delivered non-painted. The device can also be painted to order.

## Technical data

### Capacity

Air flow  $q_v$  [l/s] and [m<sup>3</sup>/h], total pressure  $\Delta p_t$  [Pa] and sound power level  $L_{WA}$  [dB(A)] is read in the graph.

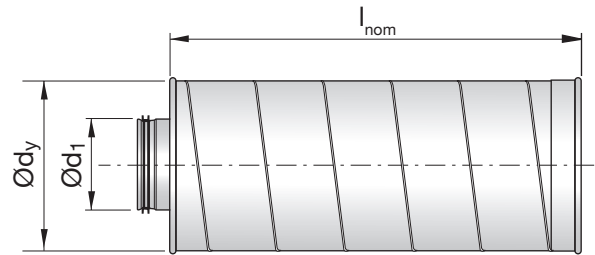


## Order code

<b>Product</b>	<b>SLKNU</b>	<b>d</b>	<b>l</b>	<b>C</b>
SLKNU				
<b>Connection dim. <math>\varnothing d_1</math></b>				
$\varnothing d_1 = 100 - 400$ mm				
<b>Length in mm (<math>l_{nom}</math>)</b>				
$l_{nom} = 300 - 1200$ mm				
<b>Insulation thickness (C)</b>				
100				

Example: SLKNU - 125 - 600 - 100

## Dimensions and sound data



$\varnothing d_1$ nom	$l_{nom}$ [mm]	$l$ [mm]	Insertion loss [dB] for centre frequency [Hz]								$\varnothing d_y$ [mm]	$m$ [kg]
			63	125	250	500	1k	2k	4k	8k		
100	300	432	27	20	21	19	20	25	20	11	325	4,31
100	600	732	30	24	28	30	36	47	38	19	325	7,04
100	900	1032	33	27	35	41	52	51	50	26	325	11,0
100	1200	1332	36	30	42	52	52	51	50	33	325	13,2
125	300	427	25	18	18	15	17	19	15	10	325	4,94
125	600	727	27	21	25	24	29	37	24	14	325	7,31
125	900	1027	29	24	31	33	42	50	33	18	325	11,6
125	1200	1327	32	27	38	42	51	50	42	22	325	14,4
160	300	439	22	15	13	11	12	14	9	8	325	5,40
160	600	739	23	18	20	19	24	28	15	12	325	9,19
160	900	1039	24	21	27	27	35	42	21	16	325	12,7
160	1200	1339	26	24	34	35	47	50	28	20	325	17,1
200	300	434	20	14	11	8	10	11	6	6	410	7,37
200	600	734	21	16	16	16	20	22	10	8	410	10,3
200	900	1034	22	19	22	23	30	33	14	11	410	14,9
200	1200	1334	23	21	27	31	39	45	18	13	410	19,0
250	600	749	20	14	14	12	16	16	8	7	465	10,3
250	900	1049	21	16	19	19	25	23	10	9	465	17,6
250	1200	1349	21	18	24	26	34	30	13	11	465	22,5
315	600	735	13	11	10	10	12	10	5	6	510	14,3
315	900	1035	14	13	15	15	19	15	7	8	510	19,4
315	1200	1335	14	15	19	19	26	21	9	10	510	25,4
400	* 600	702	11	10	7	6	7	4	4	4	625	20,2
400	* 900	1002	13	12	10	10	13	7	5	6	625	29,6
400	* 1200	1302	14	13	14	14	19	10	6	7	625	37,7

\* Supplied with one loose coupling

## Correction for flow noise ( $L_{wo}$ )

### Correction $K_{oct}$

$\varnothing d_1$ [mm]	Correction, $K_{oct}$ (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	5	-11	-17	-15	-9	-2	-15	-22
125	9	-9	-14	-12	-8	-3	-13	-21
160	3	-14	-18	-14	-9	-2	-13	-20
200	12	-9	-12	-9	-5	-4	-16	-21
250	7	-8	-13	-10	-4	-5	-16	-22
315	20	-8	-14	-12	-7	-4	-17	-27
400	11	-3	-8	-10	-10	-2	-19	-28

Sound power levels per octave band  $L_{woct}$  are calculated by adding the octave band correction  $K_{oct}$  to the total power level  $L_{WA}$  from the graph.

$$L_{woct} = L_{WA} + K_{oct}$$